

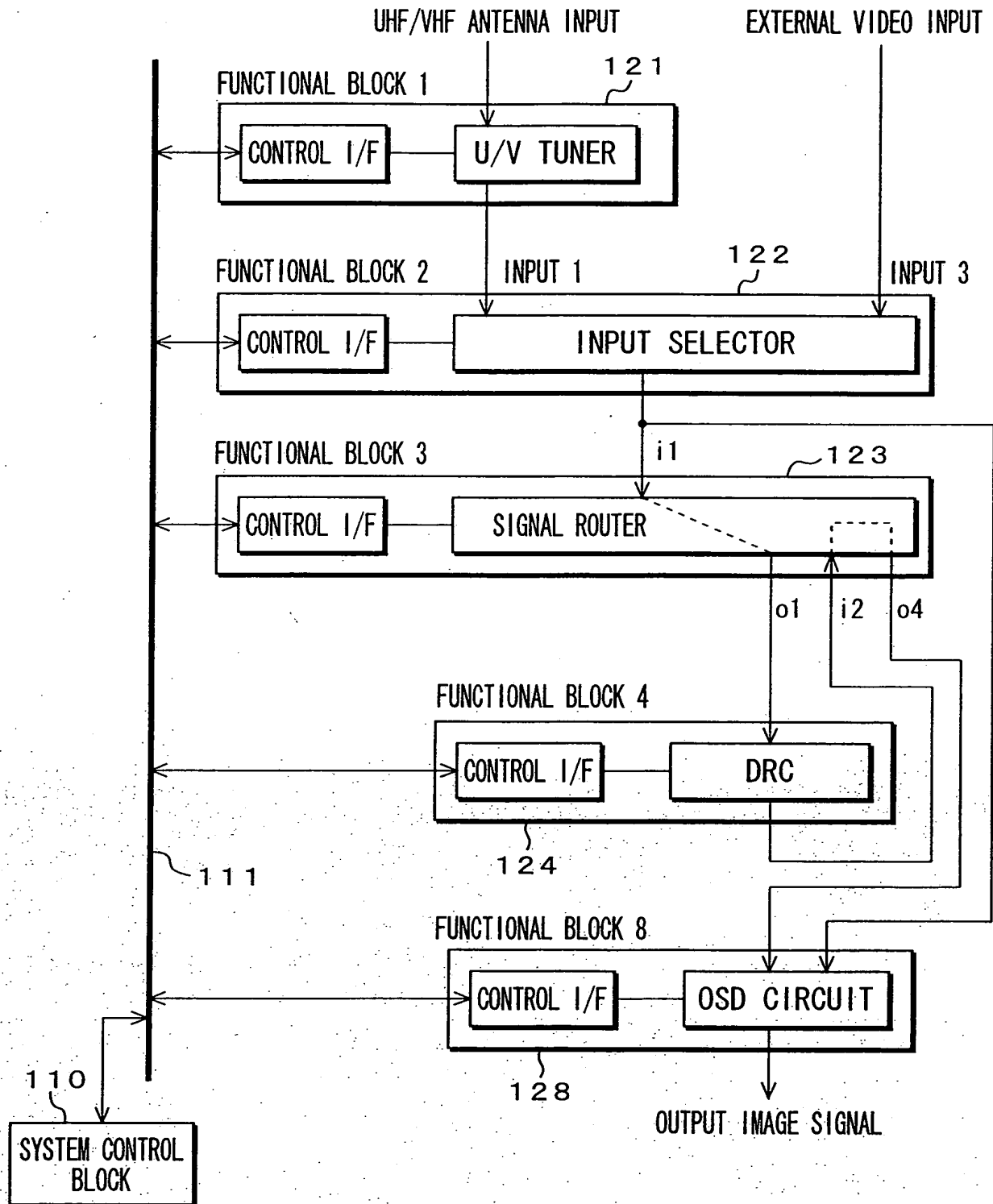
FIG. 5

COMMON COMMANDS	MEANING OF COMMON COMMANDS	INITIAL VALUES	FUNCTIONAL BLOCKS IN CHARGE	INTRA-FUNCTIONAL-BLOCK COMMANDS	MEANING OF INTRA-FUNCTIONAL-BLOCK COMMANDS
ch(1)-ch(12)	CHANNEL Nos. 1-12	LAST MEMORY	1:U/V TUNER	ch(1-12)	SWITCH OF CHANNEL
in(1)-in(3)	1: UHF/VHF; 2: DIGITAL TERRESTRIAL; 3: VIDEO	LAST MEMORY	8:OSD CIRCUIT	writeInputUVch(1-12)	DISPLAY OF CHANNEL
DRCvolExec (on/off)	SWITCH OF DRC VOLUME PROCESSING	DRCvolExec (on)	2: INPUT SELECTOR	in(1-3)	SWITCH OF INPUT
			8:OSD CIRCUIT	writeInput(1-3)	DISPLAY OF INPUT
			8:OSD CIRCUIT	writeProcessVol (on/off)	DISPLAY OF DRC VOLUME PROCESSING
				displayInput (in1/in2)	SWITCH OF CHILD-SCREEN INPUT SOURCE
				displaySize (in1, size1)/displaySize (in2, size1)	IMAGE SIZE
DRCvol (resolutionVal, noiseVal)	ADJUSTMENT OF DRC RESOLUTION AXIS AND NOISE AXIS	LAST MEMORY	4:DRC	volume (resolutionVal, noiseVal)	SUBSTITUTION OF DRC (RESOLUTION AXIS, NOISE AXIS) VOLUME VALUE
			8:OSD CIRCUIT	writeProcessDRCvol (resolutionVal, noiseVal)	DISPLAY OF DRC VOLUME VALUE
			7:NOISE REMOVAL	noiseSuppress (noiseVal)	SUBSTITUTION OF NOISE SUPPRESSION VALUE
DRCzoomExec (on/off)	SWITCH OF DRC ZOOM PROCESSING	DRCzoomExec (off)	4:DRC	zoom (initRatio/1, initHol/0, initVer/0)	SUBSTITUTION OF DRC ZOOM INITIAL VALUE
			8:OSD CIRCUIT	writeProcessZoom (on/off)	DISPLAY OF DRC ZOOM PROCESSING
				displayInput (in1, in2/in1 or in2)	SWITCH OF CHILD-SCREEN INPUT SOURCE
				displaySize (in1, size1), displaySize (in2, size0, 25)/displaySize (in1 or in2, size1)	IMAGE SIZE
				writeZoomFrame (initRatio, initHol, initVer/off)	DISPLAY OF ZOOM FRAME ON CHILD SCREEN
				writeProcessDRCzoom (initRatio, initHol, initVer/off)	DISPLAY OF INITIAL VALUES OF DRC ZOOM RATIO AND POSITIONS
DRCzoom (ratioVal, horizontalVal, verticalVal)	ADJUSTMENT OF DRC ZOOM RATIO AND POSITIONS	DRCzoom (initRatio, initHol, initVer)	4:DRC	zoom (ratioVal, horizontalVal, verticalVal)	SUBSTITUTION OF DRC ZOOM VALUE
			8:OSD CIRCUIT	writeZoomFrame (ratioVal, horizontalVal, verticalVal)	DISPLAY OF ZOOM FRAME ON CHILD SCREEN
				writeProcessDRCzoom (ratioVal, horizontalVal, verticalVal)	DISPLAY OF DRC ZOOM RATIO AND POSITIONS
InitializeConnect (1/2/3/4/5)	INTER-FUNCTIONAL-BLOCK CONNECTIONS 1-5		3: SIGNAL ROUTER	route (1/2/3)	SWITCH OF INTER-PROCESSING-SUBSTRATE CONNECTION
			8:OSD CIRCUIT	writeRoute (1/2/3/4/5)	DISPLAY OF CONNECTION STATUS

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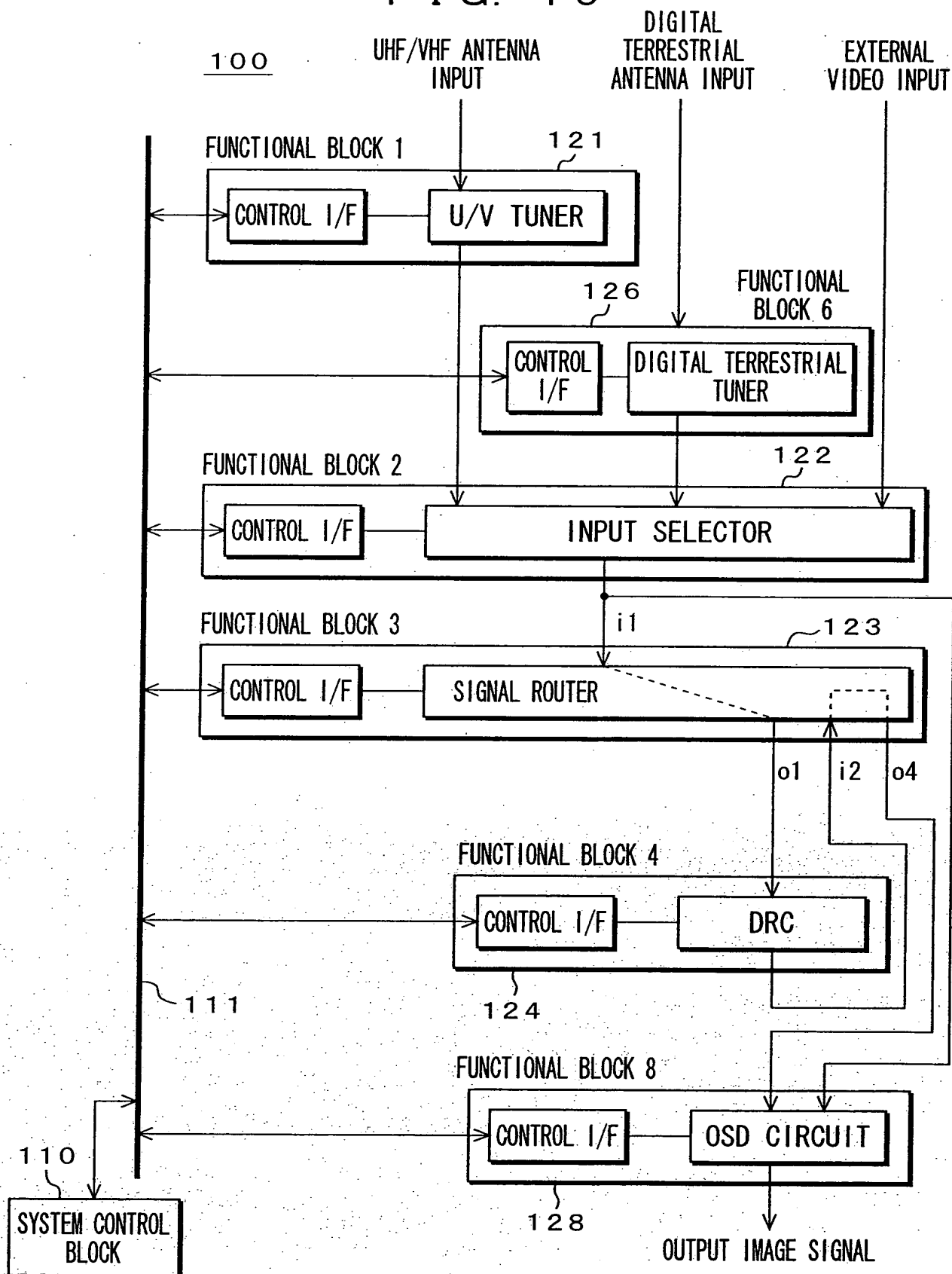
FIG. 9

100

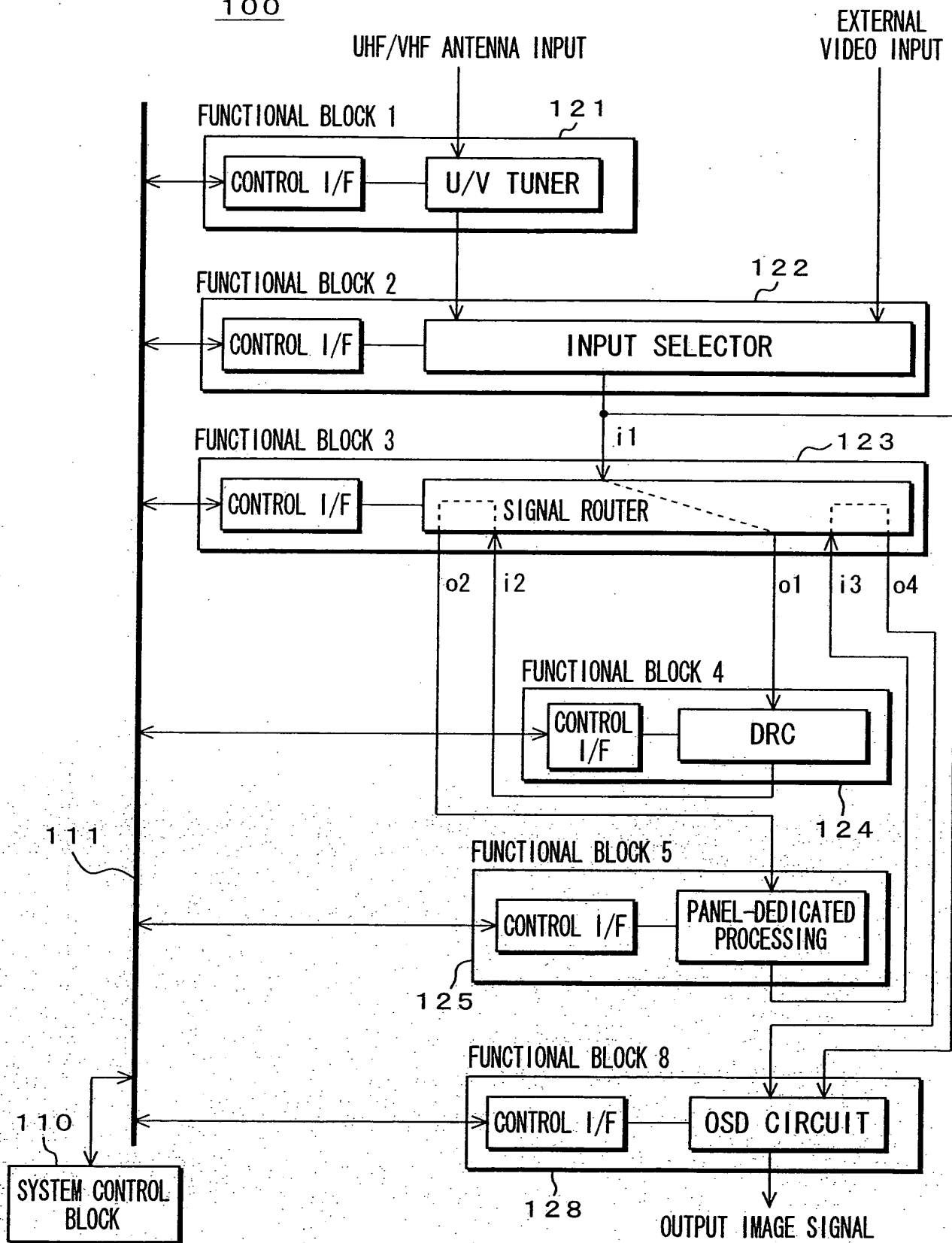


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FIG. 10

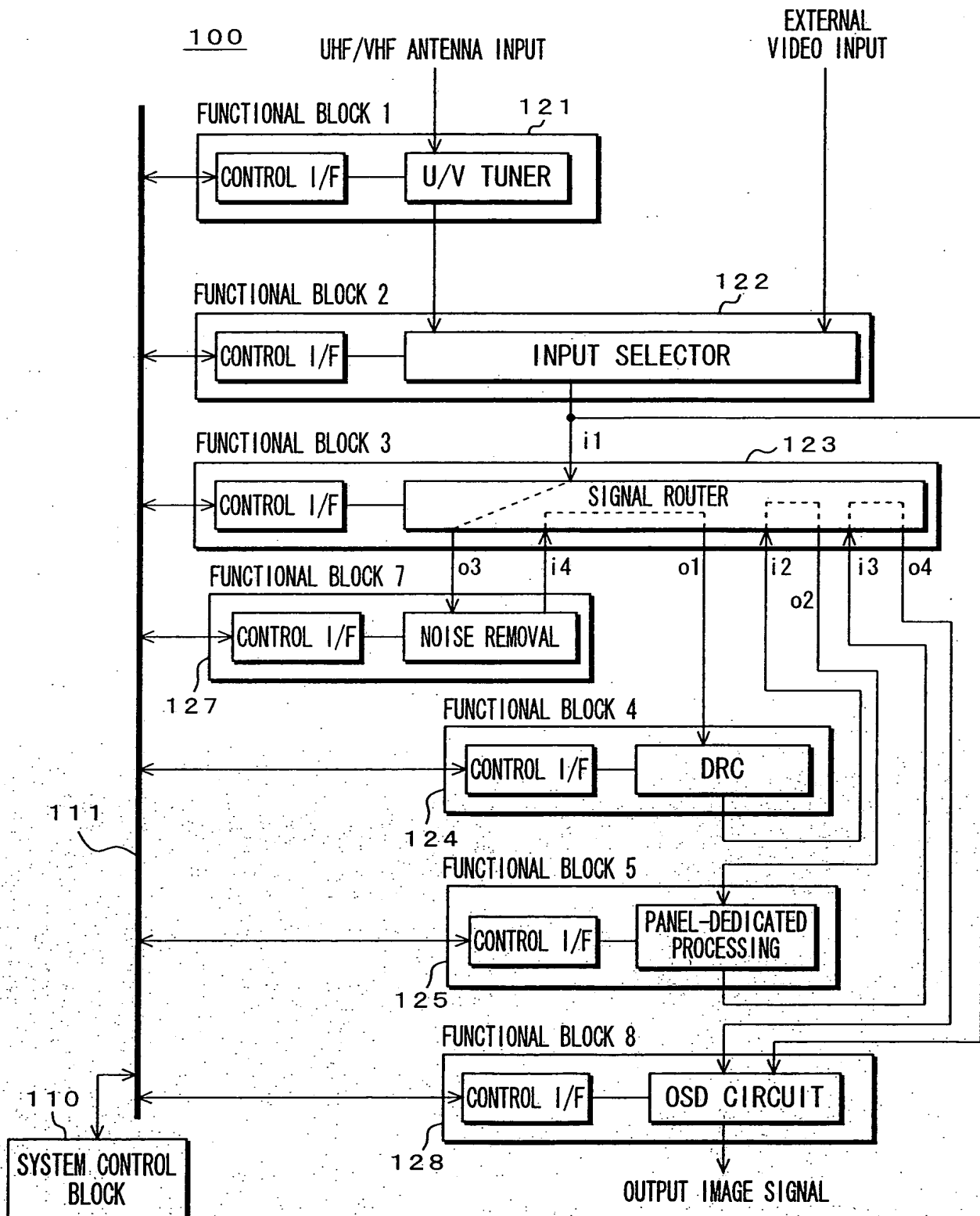


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FIG. 12



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FIG. 13

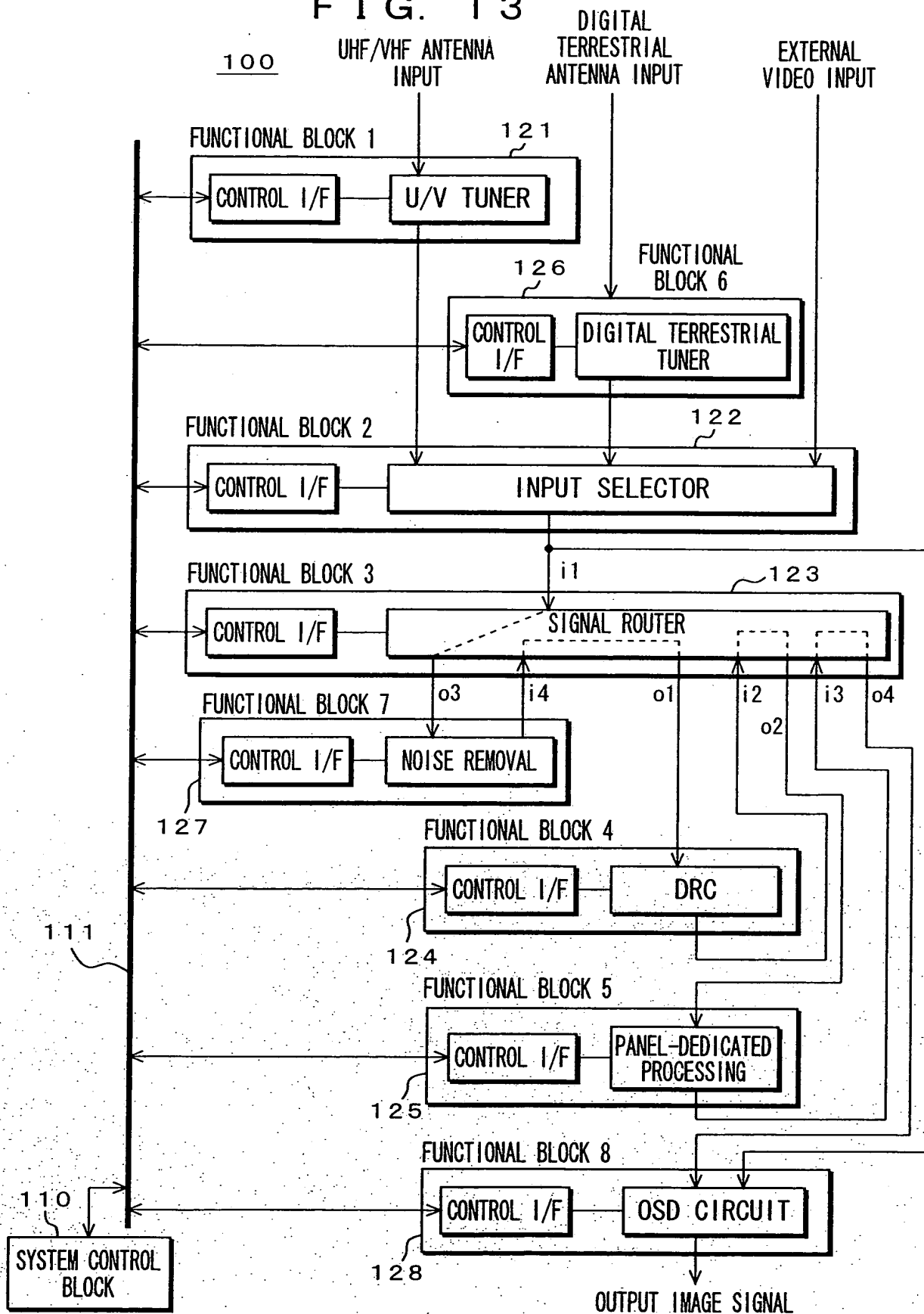
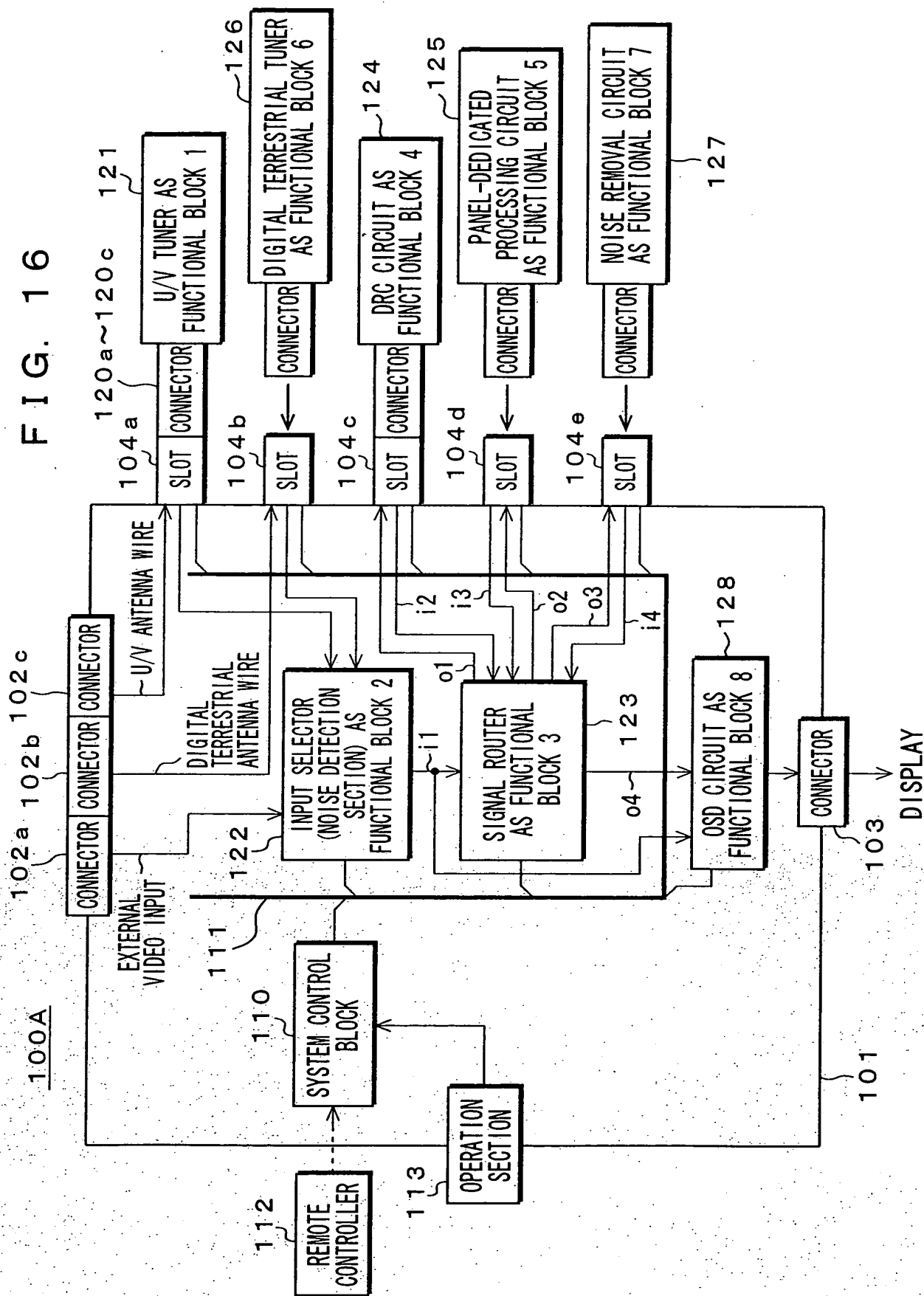


FIG. 15

COMMON COMMANDS	MEANING OF COMMON COMMANDS	INITIAL VALUES	FUNCTIONAL BLOCKS IN CHARGE	INTRA-FUNCTIONAL-BLOCK COMMANDS	MEANING OF INTRA- FUNCTIONAL-BLOCK COMMANDS
DRCvol (resolutionVal , noiseVal)	ADJUSTMENT OF DRC RESOLUTION AXIS AND NOISE AXIS	LAST MEMORY	4:DRC (VERSION UPGRADE)	volumeResolution (resolutionVal)	SUBSTITUTION OF DRC (RESOLUTION AXIS) VOLUME VALUE
				volumeNoise (noiseVal)	SUBSTITUTION OF DRC (NOISE AXIS) VOLUME VALUE
DRCzoomExec (on/off)	SWITCH OF DRC ZOOM PROCESSING	DRCzoomExec(off)	4:DRC (VERSION UPGRADE)	zoom (InitRatio/1, InitHol/0, InitVer/0)	SUBSTITUTION OF DRC ZOOM INITIAL VALUE
DRCzoom(ratioVal, horizontalVal, verticalVal)	ADJUSTMENT OF DRC ZOOM RATIO AND POSITIONS	DRCzoom (InitRatio, InitHol, initVer)	4:DRC (VERSION UPGRADE)	zoom (ratioVal, horizontalVal, verticalVal)	SUBSTITUTION OF DRC ZOOM VALUE



FIG. 16



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FIG. 19

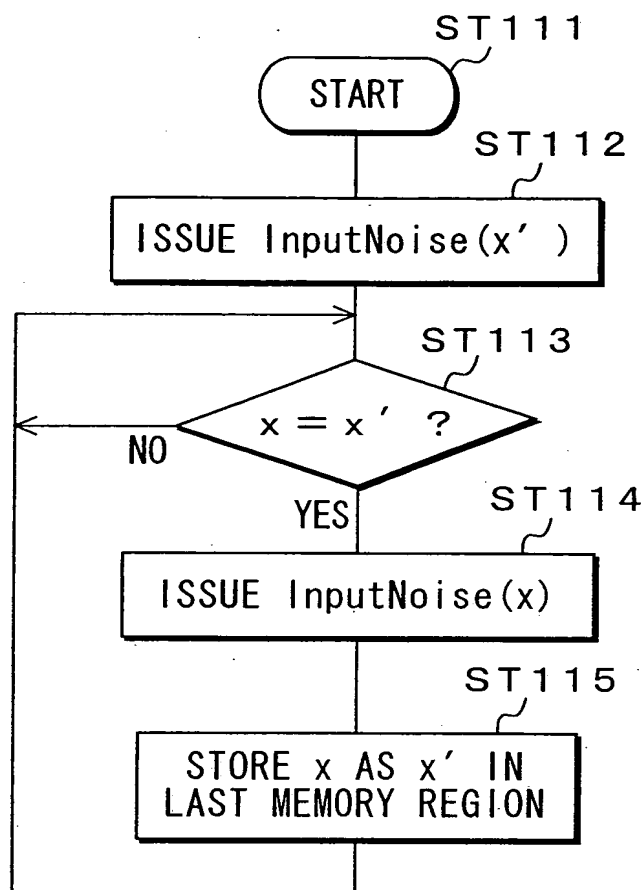


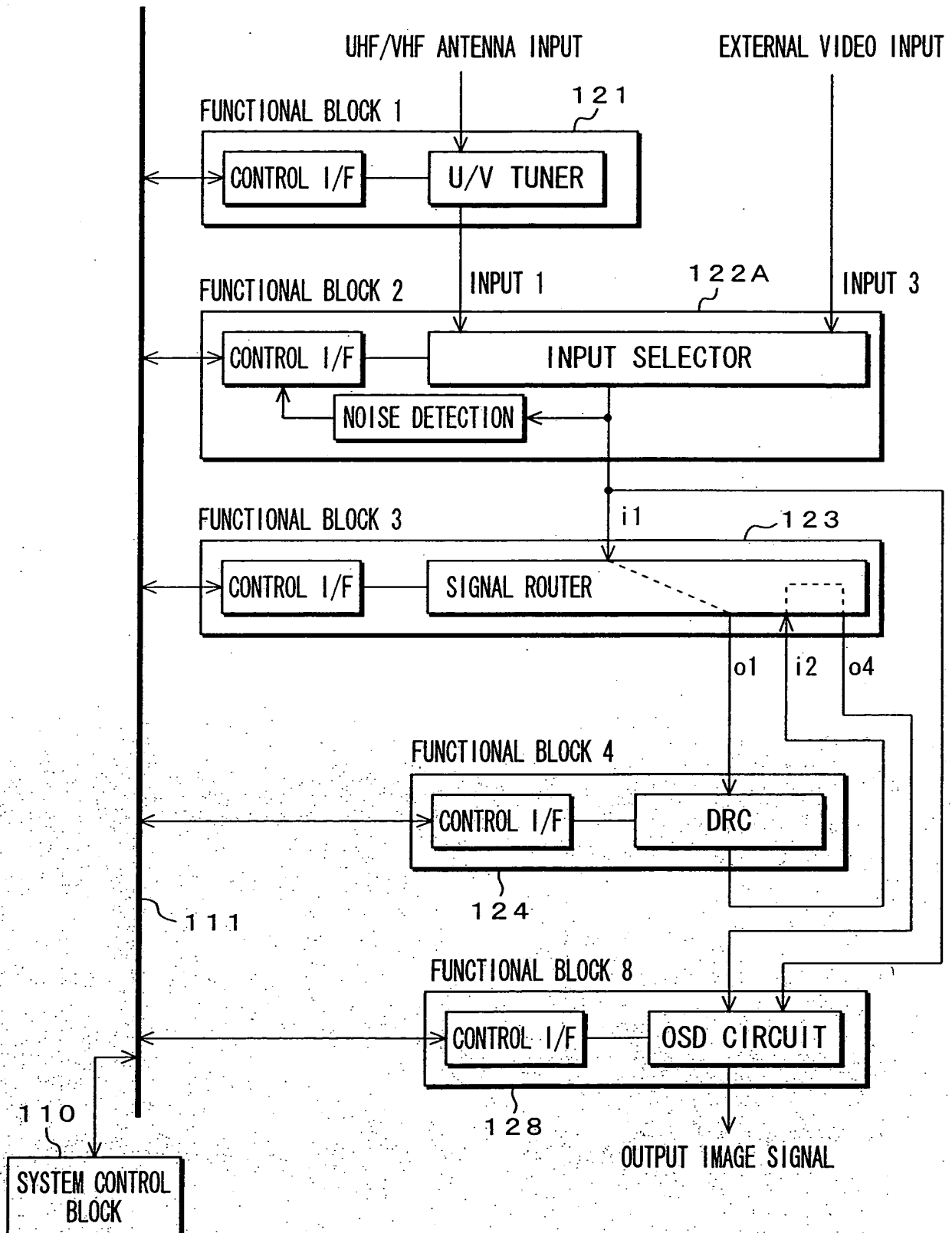
FIG. 20

COMMON COMMAND	MEANING OF COMMON COMMAND	INITIAL VALUE	FUNCTIONAL BLOCKS IN CHARGE	INTRA-FUNCTIONAL- BLOCK COMMANDS	MEANING OF INTRA- FUNCTIONAL-BLOCK COMMANDS
InputNoise (0-9)	INPUT NOISE LEVEL	LAST MEMORY	4:DRC	volumeNoise (noiseVal)	SUBSTITUTION OF DRC (NOISE AXIS) VOLUME VALUE
			7:NOISE REMOVAL	noiseSuppress (0-9)	SUBSTITUTION OF NOISE SUPPRESSION VALUE
			3:SIGNAL ROUTER	route(3/4)	SWITCH OF INTER- PROCESSING-SUBSTRATE CONNECTION
			8:OSD CIRCUIT	writeInputNoise (0-9)	DISPLAY OF INPUT NOISE LEVEL

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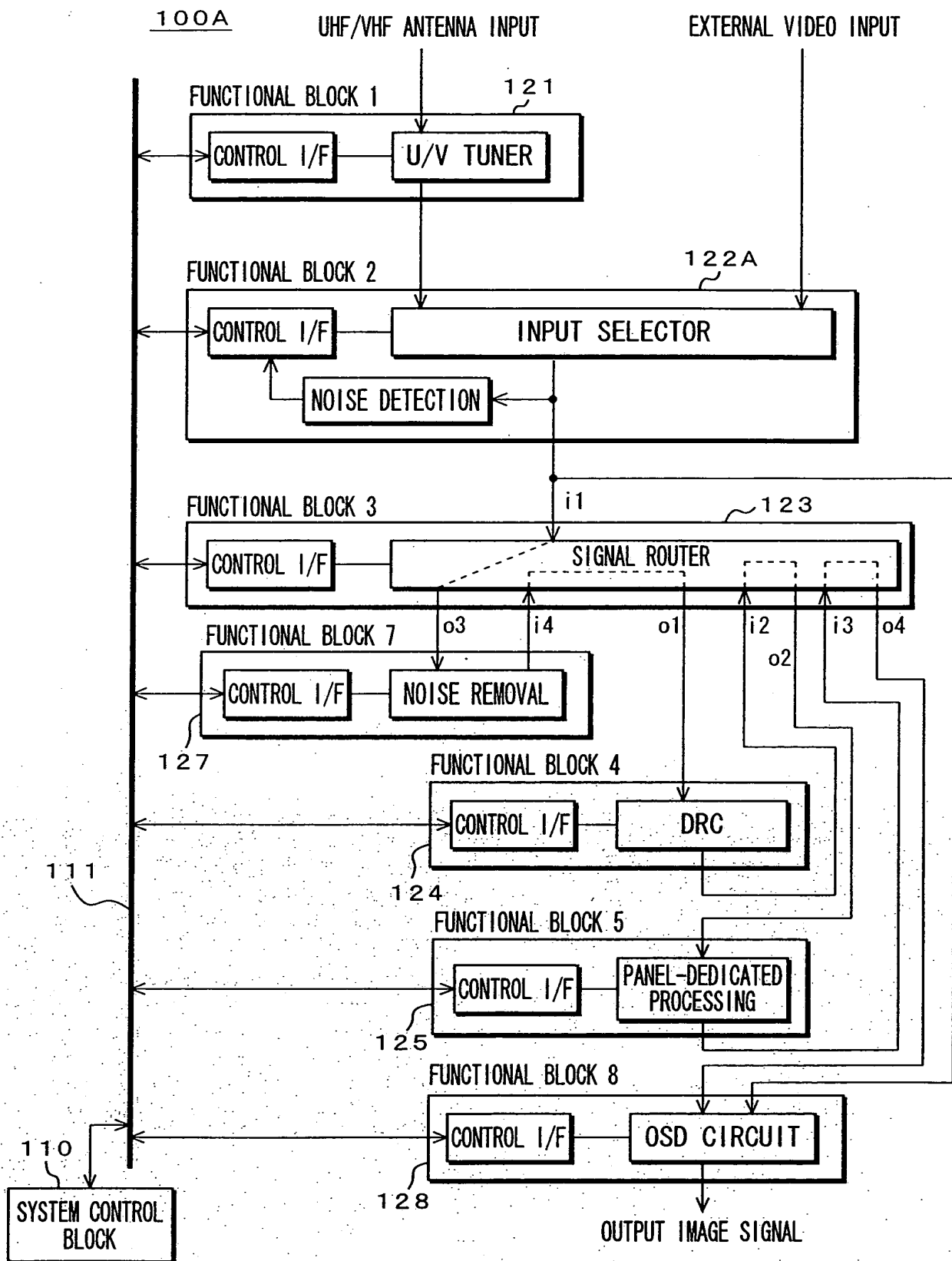
FIG. 23

100A



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FIG. 24



# REPLACEMENT SHEET

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FIG. 25

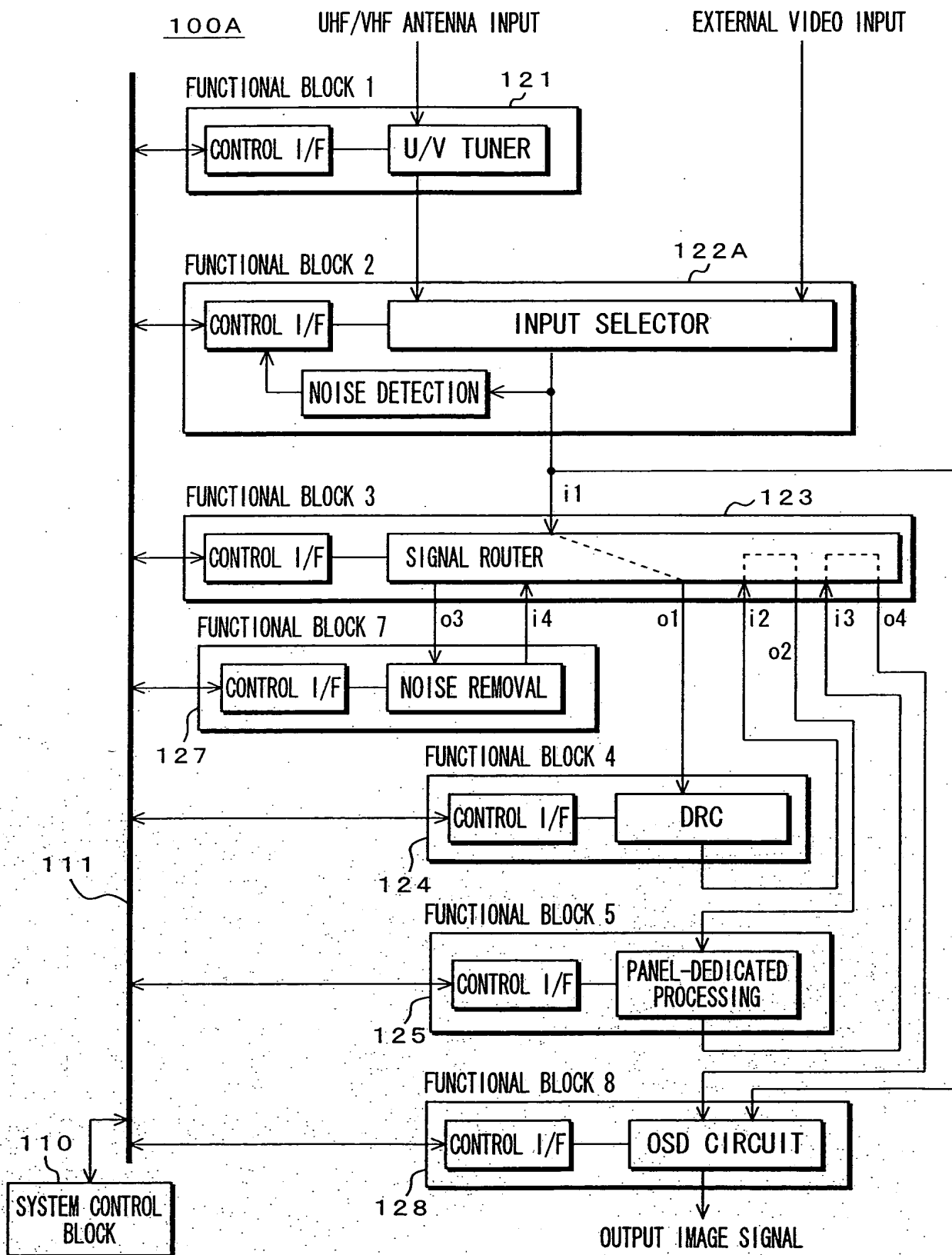


FIG. 26

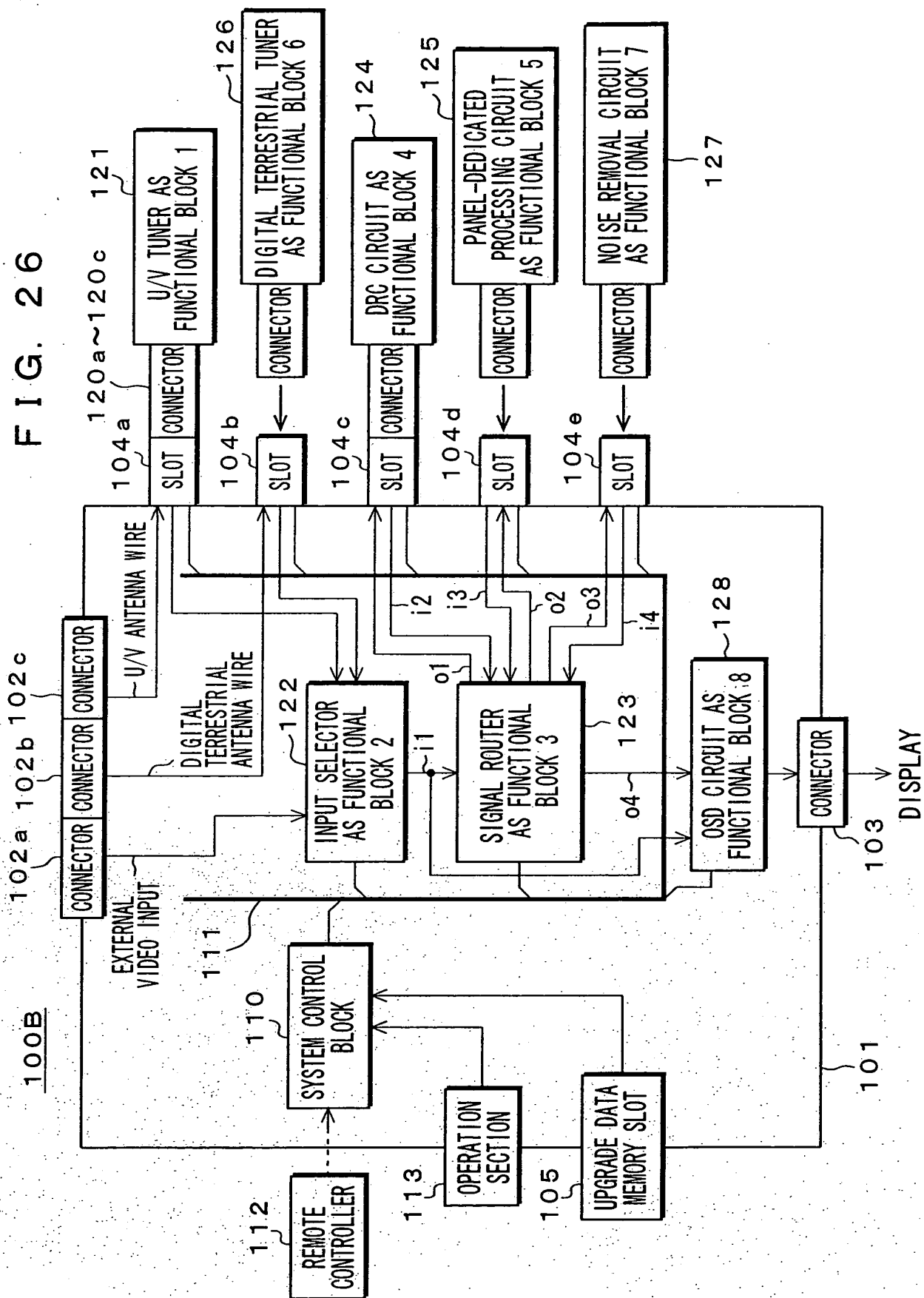


FIG. 29

COMMON COMMANDS	IDENTIFIERS (12 BIT)	MEANING OF COMMON COMMANDS	INITIAL VALUES	FUNCTIONAL BLOCKS IN CHARGE	INTRA-FUNCTIONAL-BLOCK COMMANDS	MEANING OF INTRA- FUNCTIONAL-BLOCK COMMANDS
ch(1)-ch(12)	0x001 -0x00C	CHANNEL Nos. 1-12	LAST MEMORY	1:U/V TUNER	ch(1-12)	SWITCH OF CHANNEL
in(1)-in(3)	0xA01	1: UHF/VHF; 2: DIGITAL TERRESTRIAL; 3: VIDEO	LAST MEMORY	8:OSD CIRCUIT	writeInputUVch(1-12)	DISPLAY OF CHANNEL
DRCvolExec (on/off)	0x501	SWITCH OF DRC VOLUME PROCESSING	DRCvol Exec (on)	2: INPUT SELECTOR	in(1-3)	SWITCH OF INPUT
DRCvol (resolutionVal, noiseVal)	0x502	ADJUSTMENT OF DRC RESOLUTION AXIS AND NOISE AXIS	LAST MEMORY	8:OSD CIRCUIT	writeInput(1-3)	DISPLAY OF INPUT
Initialize Connect (1/2/3/4/5)	0x001	INTER-FUNCTIONAL- BLOCK CONNECTIONS: 1-5	LAST MEMORY	8:OSD CIRCUIT	writeProcessVol (on/off)	DISPLAY OF DRC VOLUME PROCESSING
					displayInput (in1/in2)	SWITCH OF CHILD-SCREEN INPUT SOURCE
					displaySize(in1, size1)/displaySize(in2, size1)	IMAGE SIZE
				4:DRC	volume(resolutionVal, noiseVal)	SUBSTITUTION OF DRC (RESOLUTION AXIS, NOISE AXIS) VOLUME VALUE
				8:OSD CIRCUIT	writeProcessDRCvol(resolutionVal, noiseVal)	DISPLAY OF DRC VOLUME VALUE
				7:NOISE REMOVAL	noiseSuppress(noiseVal)	SUBSTITUTION OF NOISE SUPPRESSION VALUE
				3:SIGNAL ROUTER	route(1/2/3)	SWITCH OF INTER-PROCESSING- SUBSTRATE CONNECTION
				8:OSD CIRCUIT	writeRoute(1/2/3/4/5)	DISPLAY OF CONNECTION STATUS

FIG. 30

COMMON COMMANDS	IDENTIFIERS (12 BIT)	MEANING OF COMMON COMMANDS	INITIAL VALUES	FUNCTIONAL BLOCKS IN CHARGE	INTRA-FUNCTIONAL-BLOCK COMMANDS	MEANING OF INTRA- FUNCTIONAL-BLOCK COMMANDS
ch(1)-ch(12)	0xc01 -0xc0c	CHANNEL Nos. 1-12	LAST MEMORY	1:U/V TUNER	ch(1-12)	SWITCH OF CHANNEL
in(1)-in(3)	0xa01	1: UHF/VHF; 2: DIGITAL TERRESTRIAL; 3: VIDEO	LAST MEMORY	8:OSD CIRCUIT	writeInputUVch(1-12)	DISPLAY OF CHANNEL
DRCvolExec (on/off)	0x501	SWITCH OF DRC VOLUME PROCESSING	DRCvol Exec (on)	2:INPUT SELECTOR	in(1-3)	SWITCH OF INPUT
DRCvol (resolutionVal, noiseVal)	0x502	ADJUSTMENT OF DRC RESOLUTION AXIS AND NOISE AXIS	LAST MEMORY	8:OSD CIRCUIT	writeInput(1-3)	DISPLAY OF INPUT
DRCzoomExec (on/off)	0x503	SWITCH OF DRC ZOOM PROCESSING	DRCzoom Exec (off)	8:OSD CIRCUIT	writeProcessVol(on/off)	DISPLAY OF DRC VOLUME PROCESSING
DRCzoom (ratioVal, horizontalVal, verticalVal)	0x504	ADJUSTMENT OF DRC ZOOM RATIO AND POSITIONS	DRCzoom (InitRatio, InitHol, InitVer)	7:NOISE REMOVAL	displayInput(in1/in2)	SWITCH OF CHILD-SCREEN INPUT SOURCE
Initialize Connect (1/2/3/4/5)	0x001	INTER-FUNCTIONAL- BLOCK CONNECTIONS 1-5	LAST MEMORY	4:DRC	displaySize(in1, size1)/displaySize(in2, size1)	IMAGE SIZE
				8:OSD CIRCUIT	volume(resolutionVal, noiseVal)	SUBSTITUTION OF DRC (RESOLUTION AXIS, NOISE AXIS) VOLUME VALUE
					writeProcessDRCvol(resolutionVal, noiseVal)	DISPLAY OF DRC VOLUME VALUE
					noiseSuppress(noiseVal)	SUBSTITUTION OF NOISE SUPPRESSION VALUE
					zoom(InitRatio/1, InitHol/0, InitVer/0)	SUBSTITUTION OF DRC ZOOM INITIAL VALUE
					writeProcessZoom(on/off)	DISPLAY OF DRC ZOOM PROCESSING
					displayInput(in1, in2/in1 or in2)	SWITCH OF CHILD-SCREEN INPUT SOURCE
					displaySize(in1, size1), displaySize(in2, size0, 25) /displaySize(in1 or in2, size1)	IMAGE SIZE
					writeZoomFrame(InitRatio, InitHol, InitVer/off)	DISPLAY OF ZOOM FRAME ON CHILD SCREEN
					writeProcessDRCzoom(InitRatio, InitHol, InitVer /off)	DISPLAY OF INITIAL VALUES OF DRC ZOOM RATIO AND POSITIONS
					zoom(ratioVal, horizontalVal, verticalVal)	SUBSTITUTION OF DRC ZOOM VALUE
					writeZoomFrame(ratioVal, horizontalVal , verticalVal)	DISPLAY OF ZOOM FRAME ON CHILD SCREEN
					writeProcessDRCzoom(ratioVal, horizontalVal , verticalVal)	DISPLAY OF DRC ZOOM RATIO AND POSITIONS
				3: SIGNAL ROUTER	route(1/2/3)	SWITCH OF INTER-PROCESSING- SUBSTRATE CONNECTION
				8:OSD CIRCUIT	writeRoute(1/2/3/4/5)	DISPLAY OF CONNECTION STATUS